



March 3, 2016

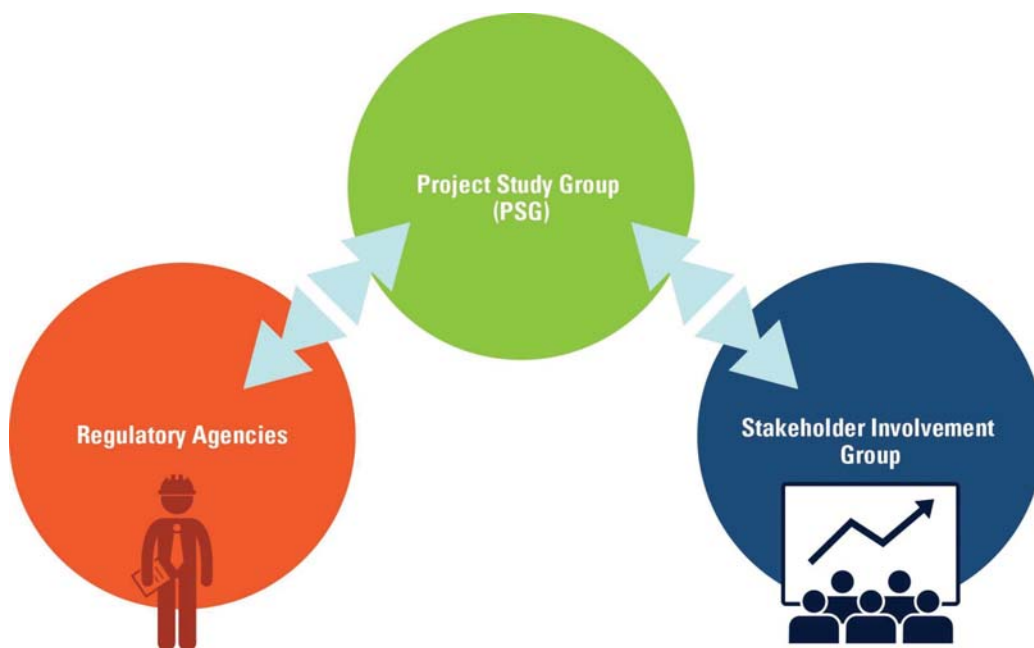


# Introductions

## Purpose of Meeting

- I. Recap of SIG Meeting #1
- II. Discuss roadway systems and classifications
- III. Present alternatives and associated impacts
- IV. Discuss Next Steps

## Who is Involved?



## SIG Meeting #1

- Roles and Responsibilities of SIG members
- Transportation planning process
- Existing conditions
- Needs assessment exercise
- Potential solutions exercise



## SIG Meeting #1 – Identified Problems

- Traffic congestion along IL Route 60
- Sight distance issues at the Fremont Center Road intersection with IL Route 60
- Speeding concerns
- Lack of left and right turn lanes
- Safety concerns at intersections
- Lack of pedestrian and bicycle facilities
- Drainage issues on IL Route 60 due to Beelow Lake
- Sight distance issues due to vertical profiles
- School bus safety
- Fremont Township driveway being used as cut through

## SIG Meeting #1 – Purpose and Need

- Identify long range travel demand and transportation system improvements
- Develop a staged transportation improvement plan
- Address existing safety and operational improvement needs and future access needs, at a minimum, at the IL Route 60/Fremont Center Road intersection

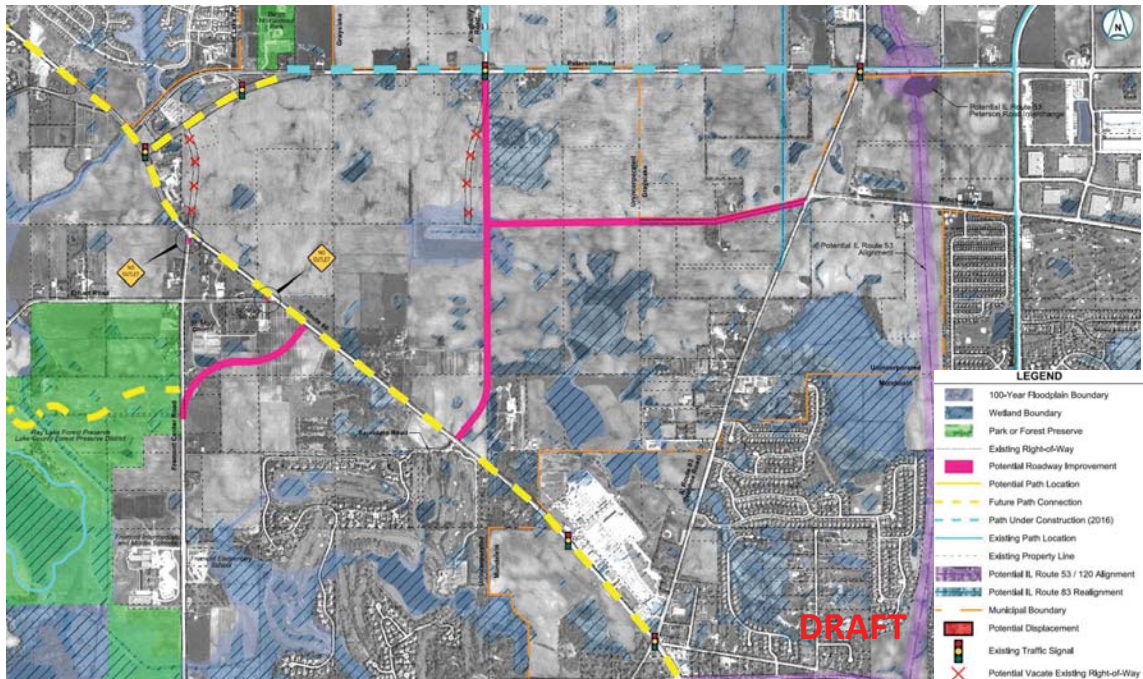
## SIG Meeting #1 – Potential Solutions

- Intersection Improvements
- Roadway Realignments
- Roadway Extensions
- Roadway Widening
- Pedestrian/Bicycle Connectivity

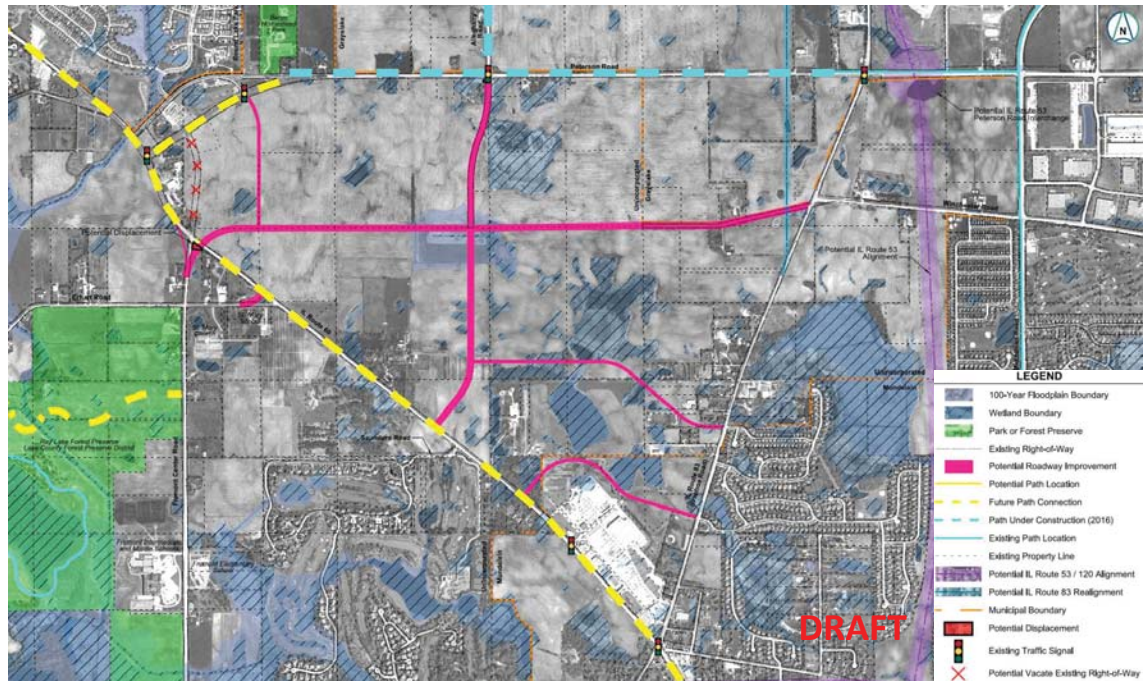




## SIG Meeting #1 – Suggested Alternatives

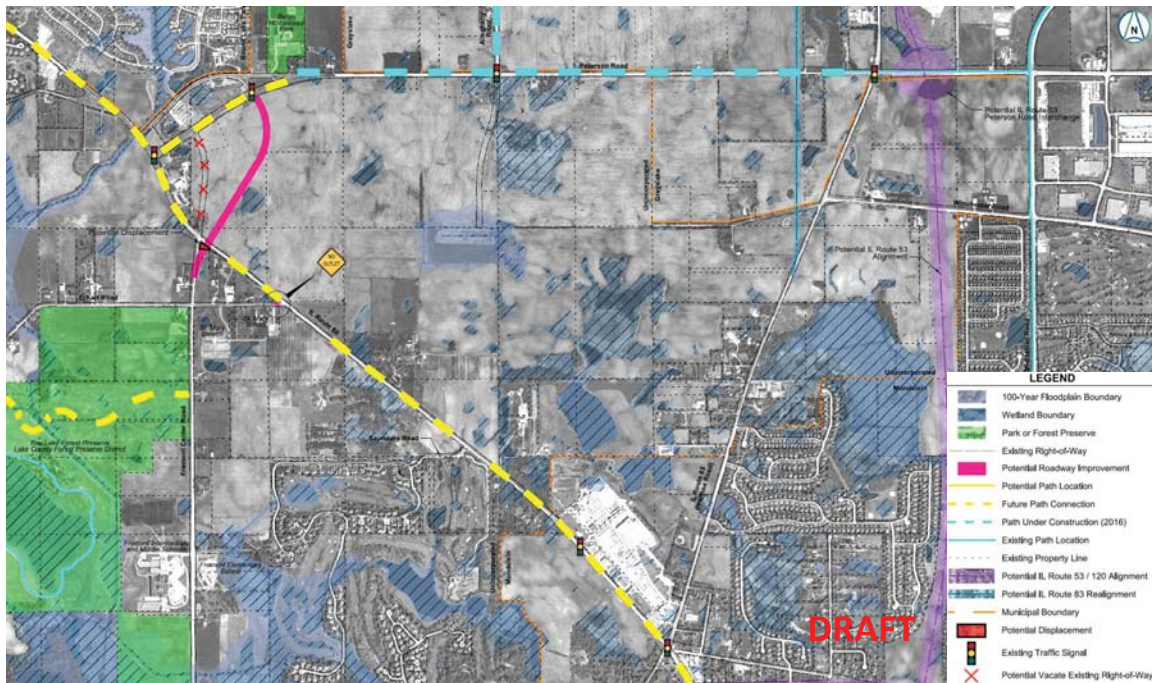


## SIG Meeting #1 – Suggested Alternatives





## SIG Meeting #1 – Suggested Alternatives



## Roadway Systems and Classifications

**Study Goal:** Identify long range transportation demand and transportation system improvements

**Question:** What makes a good roadway system?

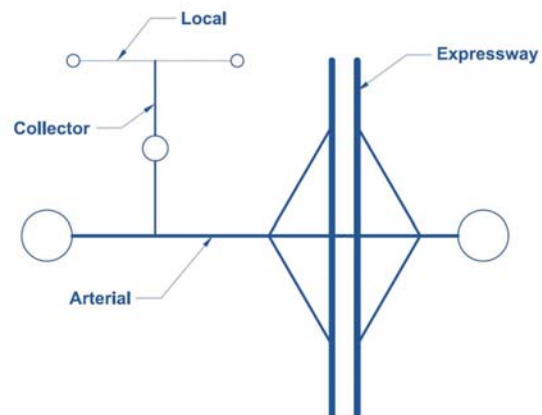
# Roadway Systems and Classifications

- Hierarchies of movements
- Functional relationships

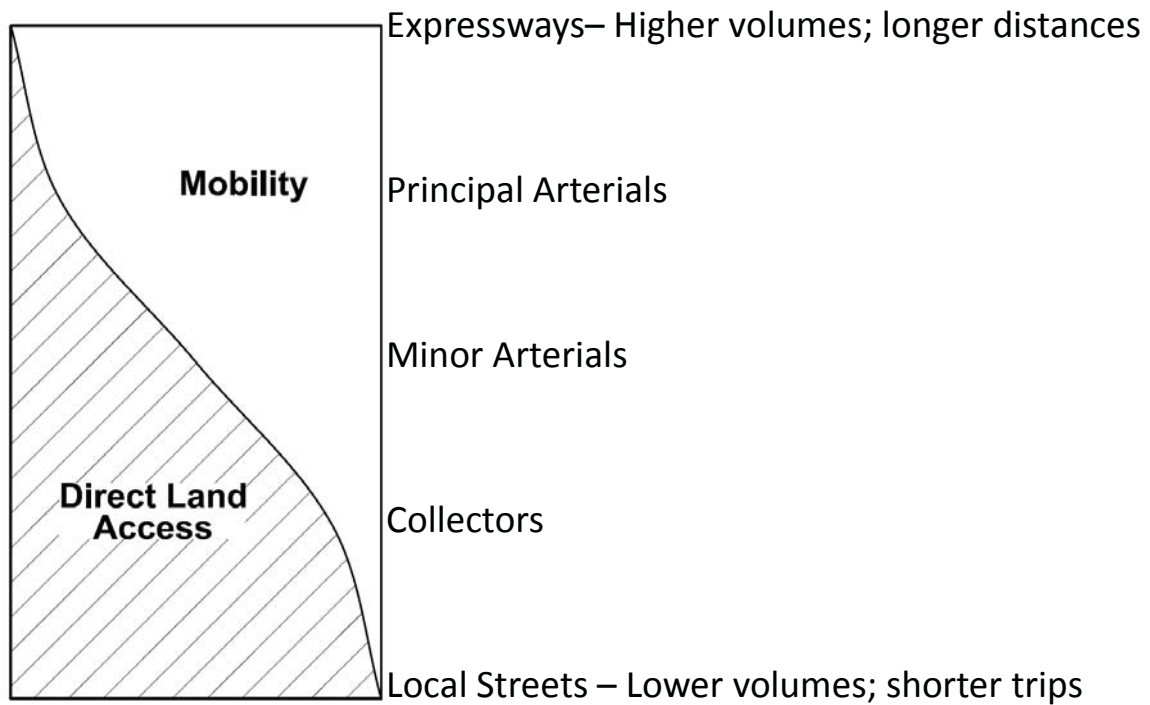


## Functional Classification

- Expressways— IDOT & Illinois Tollway
- Principal Arterials — IDOT & LCDOT
- Minor Arterials — LCDOT
- Collectors — LCDOT & Local Agencies
- Local Streets — Local Agencies

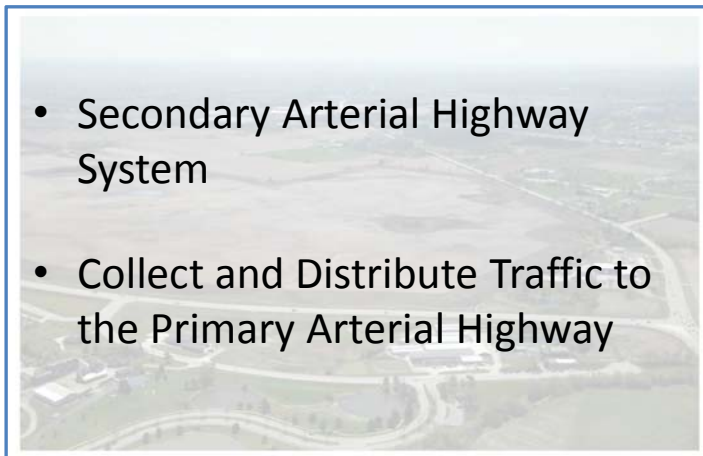


## Mobility vs. Land Access



## County Highway System

- Secondary Arterial Highway System
- Collect and Distribute Traffic to the Primary Arterial Highway



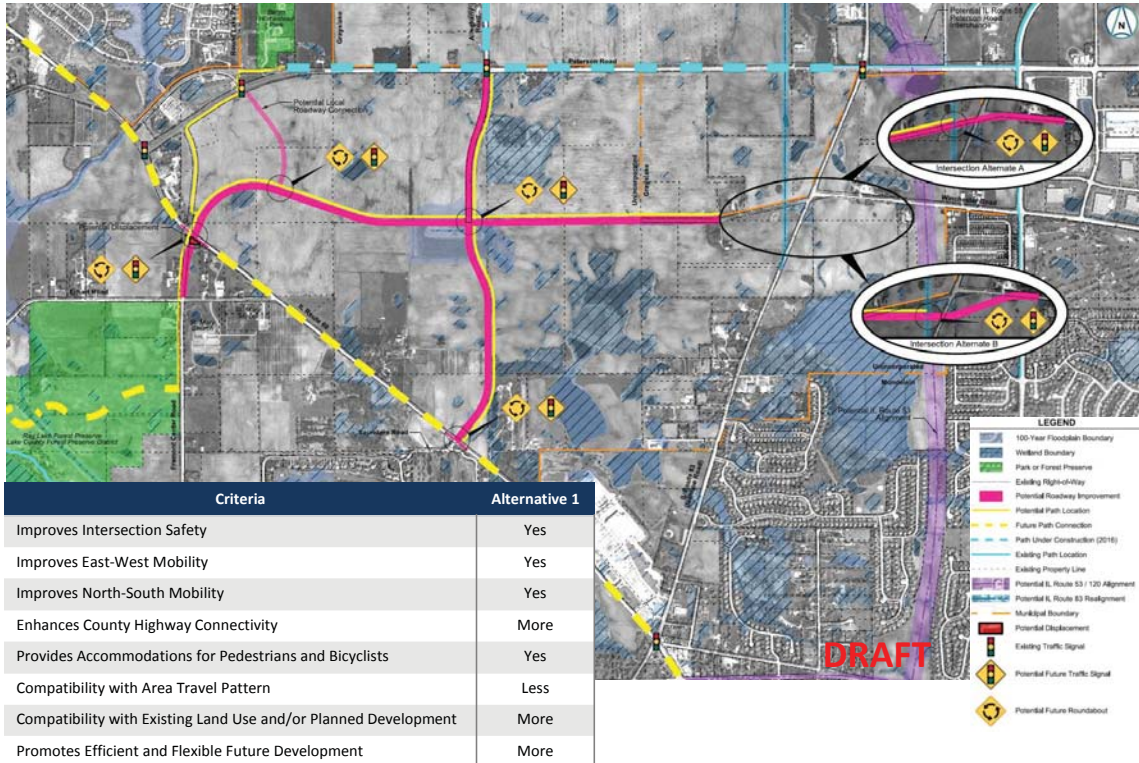


## Study Area Roadway System

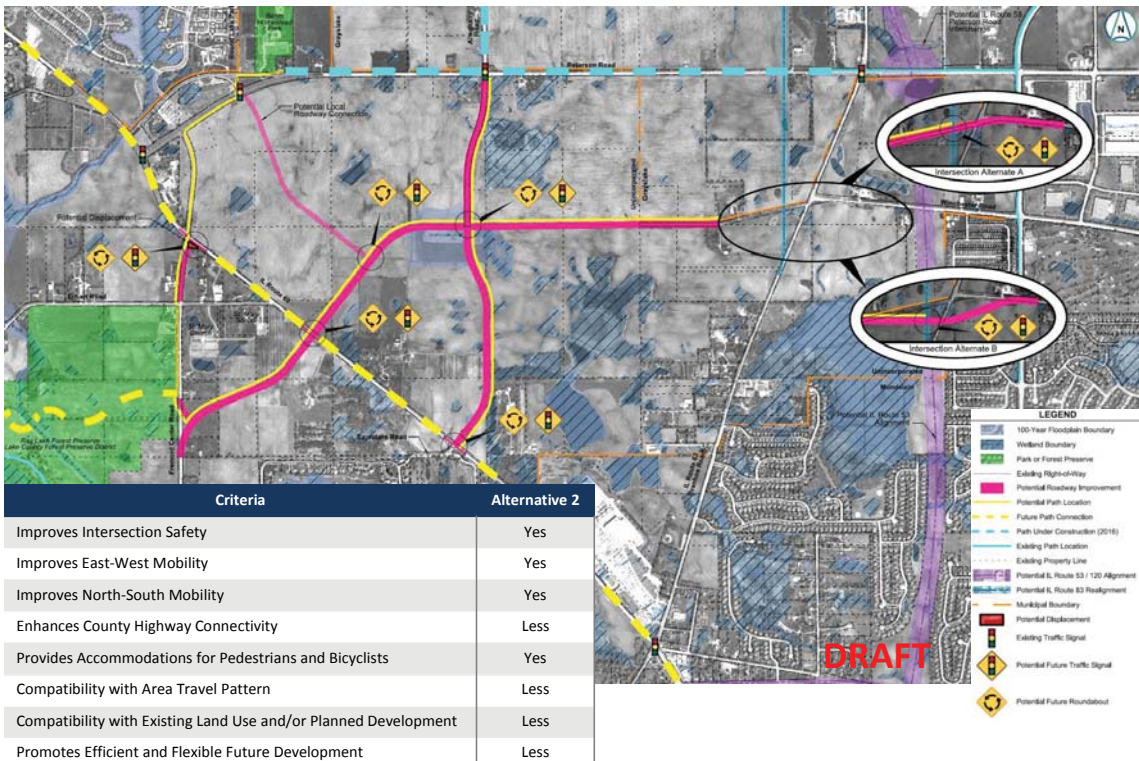
- Principal Arterials are well defined:
  - IL Route 60
  - IL Route 83
  - Peterson Road
- Secondary Arterials and Collectors exist on perimeter of study area :
  - Fremont Center Road
  - Alleghany Road
  - Winchester Road
  - Behm Road
- 1000+ acre study area will need street system to provide access and mobility to/from the Principal Arterial System
- Secondary Arterials and Collectors will occur in concert with long range plan as development happens

## *Alternatives Analysis*

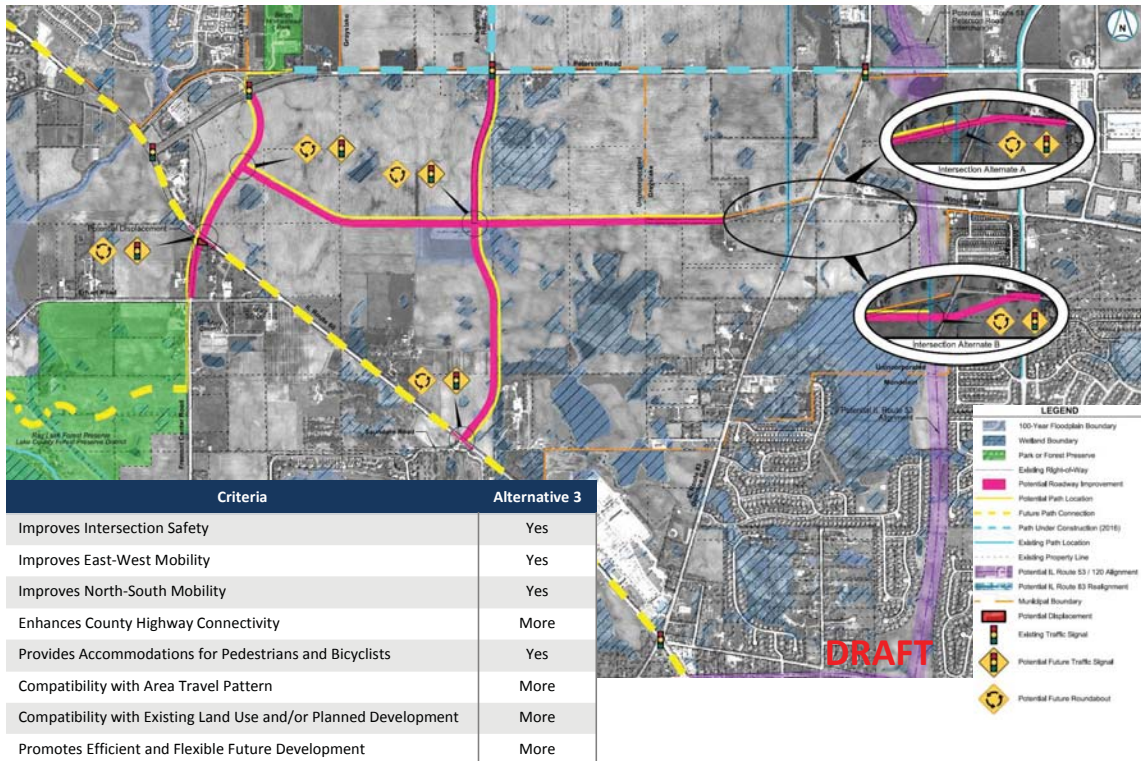
# Alternative 1



# Alternative 2



## Alternative 3



## Qualitative Analysis of Alternatives

Criteria	Alternative 1	Alternative 2	Alternative 3
Improves Intersection Safety	Yes	Yes	Yes
Improves East-West Mobility	Yes	Yes	Yes
Improves North-South Mobility	Yes	Yes	Yes
Enhances County Highway Connectivity	More	Less	More
Provides Accommodations for Pedestrians and Bicyclists	Yes	Yes	Yes
Compatibility with Area Travel Pattern	Less	Less	More
Compatibility with Existing Land Use and/or Planned Development	More	Less	More
Promotes Efficient and Flexible Future Development	More	Less	More



## Quantitative Analysis of Alternatives

Criteria	Alternative 1	Alternative 2	Alternative 3
Anticipated Right-of-Way Acquisition – Private Property	44 Acres*	50 Acres*	46 Acres*
Potential Displacements	1 Residence	1 Residence	1 Residence
Wetlands Impacts	8 Acres	7 Acres	7 Acres
Floodplain Impacts	7 Acres	7 Acres	7 Acres

\* Alternative Impacts reflect IL Route 83/Winchester Road Intersection Alternate A.  
Intersection Alternate B results in approximately 3 additional acres of anticipated right-of-way.

## Project Development Process





## Selection of Alternatives to be Carried Forward

- Alternatives 1, 2 & 3 meet purpose and need
- PSG values input from SIG
- Evaluate alternatives based on performance and impact criteria
- PSG to select *Alternatives to be Carried Forward*

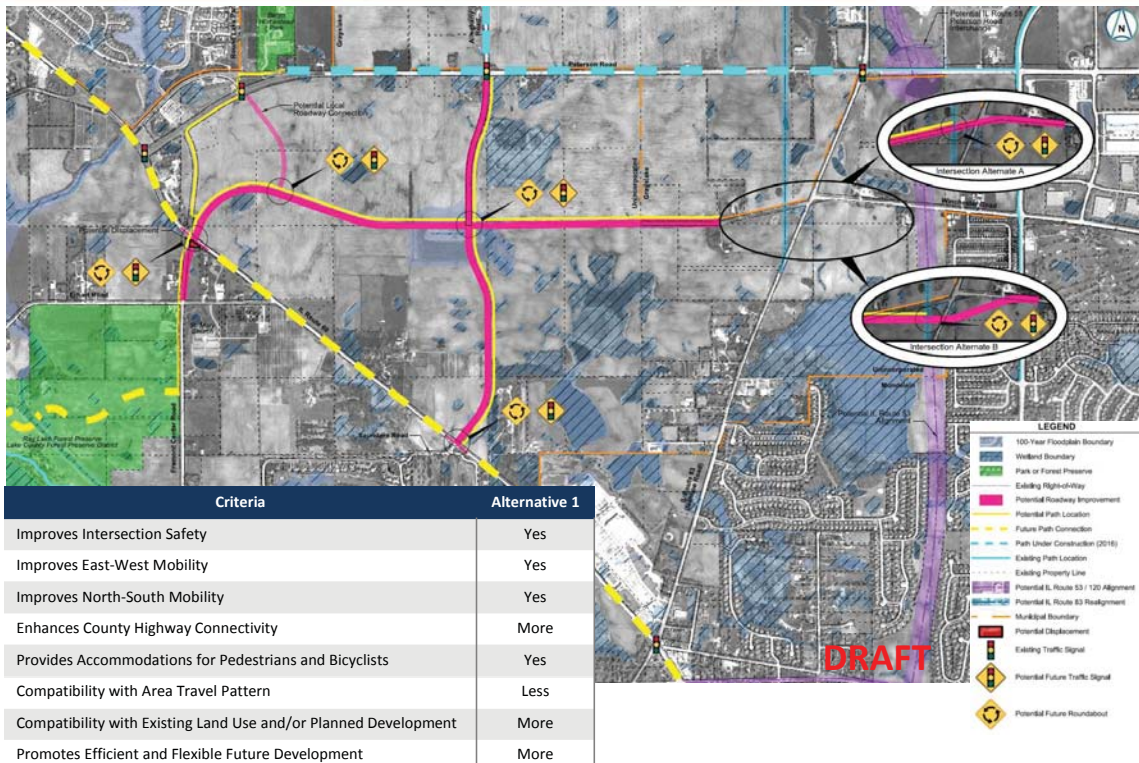
## Evaluation Criteria

- Safety Improvements
- Transportation Performance
- Right-of-Way Acquisition Impacts
- Environmental Impacts

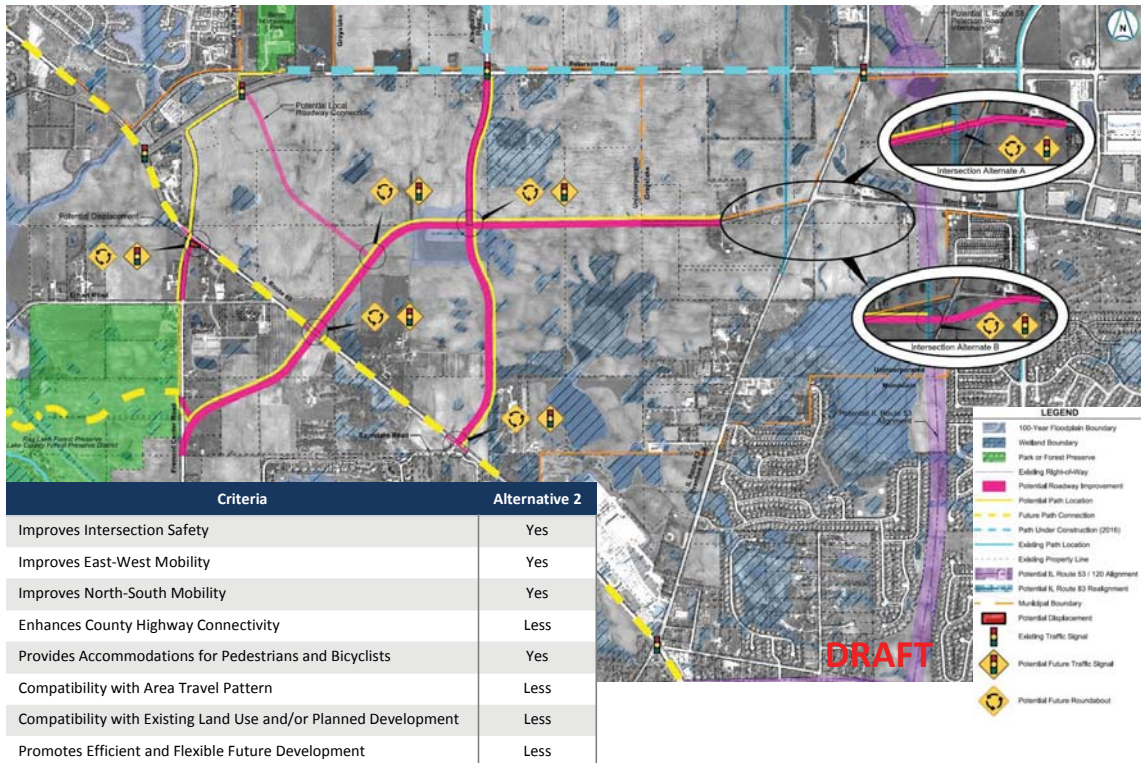
# SIG Input on Alternatives

## Group Discussion

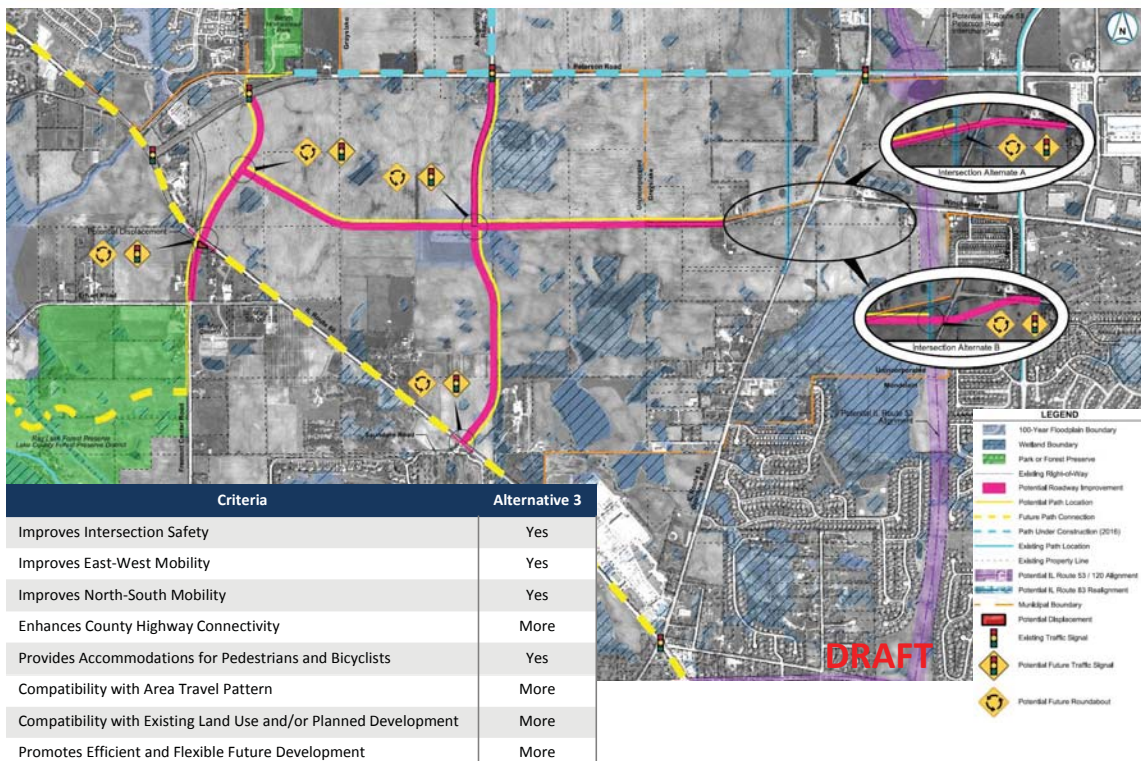
### Alternative 1



## Alternative 2



## Alternative 3

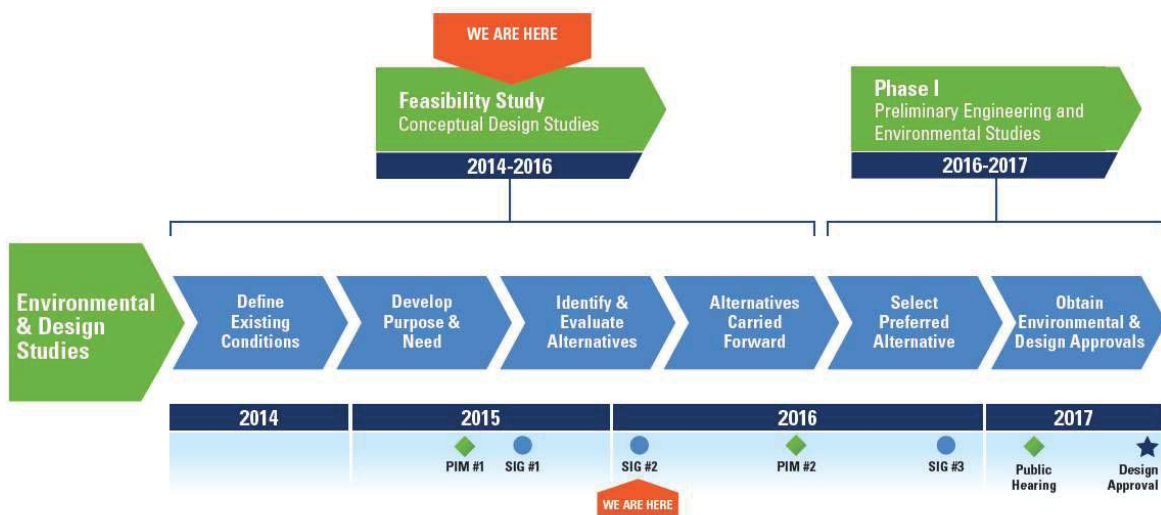




## Next Steps

- PSG selects Alternatives to be Carried Forward
- Present the Alternatives to be Carried Forward at Public Information Meeting #2 and gather input
- Perform further analyses of the Alternatives to be Carried Forward
- Conduct SIG Meeting #3
- PSG selects Preferred Alternative
- Hold Public Hearing

## Next Steps





## Questions

*Thank you for your participation!*